

February 9, 2007

**ADDENDUM NO. 1
TO
THE PLANS AND SPECIFICATIONS
FOR
HOBSON-WALNUT AREA SANITARY SEWER REHABILITATION PHASE I**

Notice is hereby given that the following revisions, additions and/or deletions are hereby made of, and incorporated into the Specifications for Hobson-Walnut Area Sanitary Sewer Rehabilitation Phase I

IMPORTANT

THIS ADDENDUM SHOULD BE ACKNOWLEDGED WHEN YOUR BID IS SUBMITTED. FAILURE TO ACKNOWLEDGE THE ADDENDUM MAY CONSTITUTE GROUNDS FOR REJECTION OF THE BID.

INSTRUCTIONS:

The bidder must sign this addendum in the space provided below and return one signed copy with the bid. Failure to return the signed copy with the bid document shall not relieve the bidder of the obligation to include this addendum in the bid proposal.

Bidder's Name

Approved By:

Signature and Title of Bidder



TIMM BORDEN
Deputy Director of Public Works Department

Date

THIS ADDENDUM CONTAINS 5 PAGES

PROJECT SPECIFICATIONS:

ITEM #1:

1. On page C-3, of the "Notice to Contractors," **delete** the second line of the header that begins "Internet Bid Line:" in its entirety and **replace** it with the following:

"Internet Bid Line: <https://cpms.sanjoseca.gov/pub/BidHotline/>"

2. On page C-12, "Bidder's Bond," **replace** the bid opening date of February 22, 2007 with the corrected date of **February 15, 2007.**

3. Under Section 1501-3.1. "General Conditions," on page 33, **delete** the first bullet and **replace** it with the following:

- "Diversion pumping equipment and piping shall be tested for leaks prior to pumping sewage. Leak testing shall be performed any time the diversion pumping system is disassembled, reassembled, and/or modified. No leaks in the diversion piping shall be permitted. *Only potable water shall be used for leak testing of pipes. Diversion pipes shall be cleaned and disinfected prior to disassembly and the liquid shall be discharged onto an existing sanitary sewer line.*"

4. From pages 33 to 35, **delete** Section 1501-3.2, "Diversion Implementation," in its entirety, and **replace** with the following:

"1501-3.2 Diversion Implementation

The Contractor shall perform a trial diversion, which successfully demonstrates each and every part of the diversion plan. The trial diversion shall be performed for *at least 48 hours during the* weekend peak flow.

The Contractor shall submit a diversion plan to the Engineer, for review, that identifies diversion and/or bypass pumping locations for each of the stages by which the Contractor proposes to accomplish the work.

The plan shall show all flow inputs (connections) in the work area and how flow from each connection will be managed. Flow inputs shall be confirmed by the Contractor during initial field surveys and television inspections. The Contractor shall provide complete flow diversion regardless of flow rate.

The Contractor shall coordinate the diversion plan with the traffic control plan specified in Section 12-1, "Traffic Control," of these Special Provisions.

If the trial diversion does not perform as per the diversion plan, the plan shall be considered unacceptable. In this event, the Contractor shall submit a revised diversion plan, *at the Contractor's own cost*, to the Engineer, for review, and the trial diversion shall be repeated

until satisfactory operation and/or performance is obtained. The Contractor shall successfully perform a trial diversion before beginning rehabilitation work.

The diversion plan for each stage of diversion and/or pumping shall include, but not be limited to, a sewer map showing all sewer invert and street surface elevations at the manholes in the areas affected by the diversion, anticipated peak sewage flows, locations of plugs, and calculated water surface elevations. The Contractor shall indicate on the map the critical manholes in the diversion area where the system may become surcharged.

If bypass pumping is proposed, the diversion plan shall include the location, number, and sizes of pumps, diameter and layout of piping, valves, and structure of manifolding. The Contractor shall submit, as part of the diversion plan, a hydraulic analysis of the bypass pumping including plots of system head versus pumped flow. System head shall be on the y-axis and flow shall be on the x-axis of these plots. The plots for pumping curves shall include capacities of single pumps and combined curves if more than one pump is used. The hydraulic analysis shall be comprehensive, evaluating the full range of flow to be pumped manifold.

Contractor has the option of using Vector Trucks to pump sewage upstream of each lining stage area and discharge into the downstream manhole. Contractor shall surcharge the sewer flow up to the allowable maximum level depth as specified under Section 1501-3.1, "General Conditions," of these Special Provisions..

The Contractor shall provide all material, labor, and equipment to pump or divert sewage flows. Bypass pipes, fittings, and manifolds shall be *either* made of solid wall HDPE or solid wall PVC ***or approved equal***. Bypass piping material shall be submitted to the Engineer for review and acceptance prior to installation and use. Where diversion piping crosses intersecting streets or blocks access to driveways, the Contractor shall place diversion piping below street grade and either cover with recessed steel plates, ***or with heavy duty ramps with flow-thru pipes (depending upon the traffic conditions of the area)***, or backfill and cover with temporary pavement as specified under Section 1301-4.2.4, "Temporary Resurfacing," of these Special Provisions. Diversion piping placed on the street surface within the traveled way shall be protected ***from vehicular traffic***. The Contractor shall remove all diversion piping and barricades at the completion of diversion operations and shall restore the surface of the pavement as specified under Section 1301-4.2 "Backfill and Surface Restoration" of the Standard Specifications.

Diversion pumping equipment and piping shall be tested for leaks prior to pumping sewage. Leak testing shall be performed any time the diversion pumping system is disassembled, reassembled, and/or modified. No leaks in the diversion piping shall be permitted.

The Contractor shall also submit to the Engineer, for review, a contingency plan that outlines the precautions to be implemented to prevent: sewage spills onto streets or into basements of buildings, backup into service laterals, sewage from entering the storm drain system.

Flow and dipper charts for some points in the sanitary sewer system may be available for viewing in Sanitary Sewer Section at 1661 Senter Rd, Bldg. A, ***3rd Floor***, San José. The flow charts are for general information only and represent flow at the time that the

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measurements were taken. Actual flow conditions at the time of construction may differ significantly. Record drawings of sanitary sewers and schematic sanitary sewer maps may be available for viewing and purchase in the new City Hall, Public Works Development Services Division at 200 E. Santa Clara Street, Telephone no. (408) 535-3555. It is the Contractor's responsibility to verify the accuracy of the information obtained from the City.

The Contractor shall receive authorization from the Engineer prior to proceeding with each trial diversion attempted. At no time shall the Contractor change the proposed diversion plan without prior approval from the Engineer. Following authorization from the Engineer, the Contractor shall notify the Engineer at least two working days prior to implementing flow diversion or pumping. The Contractor shall continuously monitor the sewage flow surface elevation in manholes within the area affected by the diversion to ensure compliance with the general conditions.

Payment for the trial diversion and for the diversion of sewage flows shall include all materials, labor, equipment, incidentals, and services related to plugging and pumping of sewage. The contract payment shall include, but not be limited to, developing the diversion plan, inserting and removing pipe plugs, constructing bulkheads, pumping flows, monitoring water levels, installation and removal of by-pass pumps, diversion piping and manifolding, cleaning of pipelines, trenching, construction of manholes, plating for diversion piping, backfill, compaction, placing temporary pavement, and surface restoration.

Payment will be made under:

| | | |
|--|---|---------------|
| Trial Diversion | - | per lump sum |
| Diversion and/or Pumping of Sewage Flows | - | per lump sum" |

5. On page 39, under Section 1502-1.2.1, "Design of Liner Thickness," **delete** the second paragraph in its entirety, and **replace** it with the following:

"The Contractor shall submit the liner design to the Engineer for review and acceptance before starting the manufacturing of the felt liner or beginning any construction activity with 30 calendar days after the award of contract."

6. On page 40, under Section 1502-1.5, "Sampling," **delete** the first paragraph and **replace** it with the following:

"For each inversion run, the Contractor shall provide two samples of the installed and cured CIPP liner according to the following methods:

1. *For pipe sizes 6-inch to 18-inch in diameter*, the samples shall be cut from a section of CIPP liner which has been inverted through a like diameter pipe in the intermediate manholes and has been held in place by a suitable hit sink, such as sandbags. The sample shall be large enough to provide a minimum of five (5) specimens each for flexural testing *and thickness verification*.

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2. *For pipe sizes 21-inch and larger in diameter, a sample shall be cut from a section of the liner between 10:00 o'clock and 2:00 o'clock position. The sample shall be large enough to provide a minimum of five (5) specimens each for flexural testing and thickness verification. Afterwards, an epoxy coated fabric layer compatible with the liner resin system shall be used to repair the area where the sample specimen was taken."*

c: Proj. File: 3347-33
Chron. File